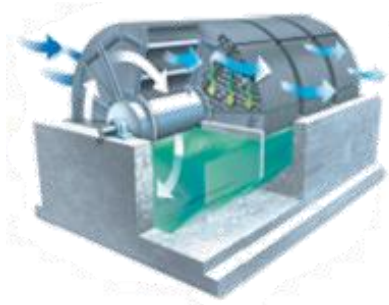


# Biodisk (RBC)



The **biodisk (RBC)** is a conventional technology based on the growth of biofilm for the treatment of wastewater. Aerobic conditions are achieved in the system through the percolation of water by gravity through the minidisks in contact with the air once the rotation allows to enter the atmosphere. A film of bacterial biomass (biofilm) develops on the minidisks, that uses the soluble organic matter present in the water as a substrate and takes the oxygen necessary for its respiration from the atmospheric air.

## KEY POINTS:

- Treatment of pre-treated wastewater
- Biofilm on rotating discs with high specific surface area
- Low energy consumption
- Simple operation
- Requires subsequent solids treatment
- Low mechanical maintenance needed

## MAIN FEATURES

- ✓ Aerobic process. Absence of odors
- ✓ No sludge recirculation required
- ✓ Stable operation
- ✓ Footprint: 0,5 m<sup>2</sup>/PE
- ✓ Low energy consumption ~0,15-0,2 kWh/m<sup>3</sup>
- ✓ Mechanical elements (engine).

